

From: [Pettigrew, George](#)
To: [Coltrain, Katrina](#)
Subject: RE: Wilcox Residential Data Submittal Status
Date: Wednesday, September 23, 2015 1:34:01 PM

Thanks for all the updated materials/discussions. If you are meeting next week, let me know and I will try to attend.

George

From: Coltrain, Katrina
Sent: Wednesday, September 23, 2015 1:28 PM
To: Pettigrew, George
Subject: FW: Wilcox Residential Data Submittal Status

[Katrina Higgins-Coltrain](#)
[Remedial Project Manager](#)
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From: Coltrain, Katrina
Sent: Wednesday, September 23, 2015 1:26 PM
To: Turner, Philip; Todd Downham
Subject: RE: Wilcox Residential Data Submittal Status

[Phil/Todd, here is a summary of my review of the data. It appears that most of the exceedances are related to properties 8, 6, and 11. Refer to the figure for property and grid identification.](#)

[I may have missed other observations, so let's share and talk Oct 5 at 230pm.](#)

[How do we handle those contaminants that were detected, but have no screening level? For example, chromium.](#)

[There are no exceedances of the soil screening levels for volatiles, pesticides or PCBs with the following exceptions.](#)

- [• One Benzene exceedance of 1.9 at a depth of 24in. This just exceeds the screening value of 1.2. Property 8 grid 2.](#)
- [• Property 8: All PCB detection limits exceed the screening values; however, there were no PCBs detected in any sample collected during this event.](#)
- [• How do we assess the Total PCB value when there are no detects and there is no screening level for totals?](#)

There is only one grid that exceeds the removal RML screening value of 1.5 for benzo(a)pyrene. The exceedance is for Property 8, in Grid 4, depths ranging from 0 to 24inches. Property 8 is the process area residence. The values are 0-2 (1.5), 6-12in (1.9), and 12-24in (1.7).

There are no exceedances of metals, except for single detects for select metals and a consistent detection for arsenic.

- All but 2 arsenic data samples exceed the cancer screening level of 0.67. Most of the data are below 6, however a sample as high as 19.2 (Property 21, grid 5, 6-12in) was detected. All sample results are below the non-cancer screening level of 35.
- 1 hit: cobalt, 61.2 (property 21, grid 5, 2-6) manganese 1880 (property 21, grid 3, 12-24) iron 72,700 (property 19, grid 2, 0-2) cadmium 80.2 (property 8, grid 1, 0-2)
- There is no screening level for chromium; however, it was detected in all soil samples. Highest value is 95, all others less than 36.7

The SVOCs, PAHs specifically, exceeded more consistently, especially at the properties associated with the process operations and the one tank property.

Benzo(a)pyrene, benzo(a)anthracene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene and benzo(b)fluoranthene.

- Property 2: grid 1 (0-2in:0.04, and 2-6in:0.022) grid 3 (0-2in:0.47, 2-6in: 0.57)
- Properties 6: grids 1(0-2in: 0.026, 2-6in:0.19) grid 2 (0-2in:0.15, 2-6in:0.017) grid 3 (0-2in: 0.27, 2-6in:0.19, 12-24in:0.023); Grids 4 (0-2in: 0.059, 2-6in:0.18, 6-12in: 0.31, 12-24in:0.24); Grid 5 (0-2in:0.37, 2-6in:1.2, 6-12in0.31); Grid 6 (0-2in: 0.023, 2-6in:0.03, 6-12in: 0.28, 12-24in: 0.15) Grid 7 (0-2in: 0.74, 2-6in:0.32), Grid 8 (0-2in: 0.02)
- Property 8: Grids 1 (0-2in: 0.8, 2-6in: 0.42, 12-24in:0.025) and 2 (0-2in: 0.88, 2-6in: 0.87, 6-12in:0.15, 12-24in:0.016), Grid 3 (0-2in: 0.68, 2-6in: 0.79, 6-12in:0.15), Grid 4 exceeds Removal SL at 0-2in:1.5, 2-6in:0.83, 6-12in:1.9, and 12-24in: 1.7
- Property 17: grids 1 (0-2in:0.17 and 2-6in:0.17) and grid 5: 0-2in: 0.019 2-6in:0.037
- Property 20: grids 1 (0-2in: 0.05) and grid 2 (2-6in: 0.015) and 5 (2-6in: 0.015)
- Property 19: grid 6 (2-6in: 0.018)
- Property 5: grid 6 (0-2in: 0.021)
- Property 11: grids 1 (0-2in:0.02 and 2-6in:0.015) grid 2 (0-2in:0.018, 2-6in:0.02, and 12-24in: 1.6) and grid 4 (6-12in):0.017
- Property 21: grid 6 (0-2in: 0.018) (2-6in:0.019)

Property 8: detection limits for 2,4 and 2,6 dinitrotoluene exceed the screening level of 1.2 and 0.36 respectively. However, there were no detections of either in any sample collected during this event.

Hexachlorobenzene detection limits for properties 6, 8, and 11 exceeded the screening level of 0.33; however, it was not detected in any sample collected during this event.

N-nitroso-di-n-propylamine: the detection limit exceeds the screening level of 0.076; however, it was not detected in any sample collected during this event.

Katrina Higgins-Coltrain

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From: Bond, Patrick [<mailto:Patrick.Bond@WestonSolutions.com>]
Sent: Wednesday, September 02, 2015 4:35 PM
To: Coltrain, Katrina; Hayes, Mark; Cobb, Derrick; Downham, Todd;
t.a.walzer@westonsolutions.com; Turner, Philip
Cc: Criner, Jeffrey J.; Bercher, Corey
Subject: RE: Wilcox Residential Data Submittal Status

Hi Katrina,

Glad that you asked. We just finished review on the Draft tables. We will be doing a final QA on it this week just to ensure that everything is accurate, but we aren't expecting any changes.

Please see the attached and let us know if you have any questions or concerns.

Thanks,
Patrick

From: Coltrain, Katrina [<mailto:coltrain.katrina@epa.gov>]
Sent: Wednesday, September 02, 2015 3:50 PM
To: Bond, Patrick; Hayes, Mark; Cobb, Derrick; Downham, Todd; Walzer, Thomas; Turner, Philip
Cc: Criner, Jeffrey J.; Bercher, Corey
Subject: Wilcox Residential Data Submittal Status

Patrick, will you please provide us with an update on the status of the residential data. Please respond to all. I will be out of the office beginning Friday, 4th through Friday, 11th and will not be able to forward to those that need to review.

thanks

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From: Bond, Patrick [<mailto:Patrick.Bond@WestonSolutions.com>]
Sent: Wednesday, August 19, 2015 10:26 AM

To: Coltrain, Katrina; Hayes, Mark; Cobb, Derrick; Downham, Todd; t.a.walzer@westonsolutions.com
Cc: Criner, Jeffrey J.; Bercher, Corey
Subject: RE: Wilcox

Hi Katrina,

Sorry for the delay in getting back to you on the data progress. I just spoke with Mark and explained to him that the Gold King Mine ER has pulled several of our resources who were currently working on the data evaluation.

Our goal is to get back to work on reviewing and loading the data and ensure that we have received everything from the labs as the first priority, which we will attempt to have completed by the end of this week. Once we are certain that we have received all of the data, we will then be able to begin to generate tables for your review along with the figures showing where any exceedances might have been.

We will get these tables for you as soon as we can, our goal is by the end of next week to have the first round of draft tables completed for review.

Thanks,
Patrick

From: Coltrain, Katrina [<mailto:coltrain.katrina@epa.gov>]
Sent: Tuesday, August 18, 2015 2:28 PM
To: Hayes, Mark; Cobb, Derrick; Bond, Patrick; Downham, Todd
Cc: Criner, Jeffrey J.; Bercher, Corey
Subject: RE: Wilcox

Hey Team, what is the status of the maps and data review?

thanks

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From: Hayes, Mark
Sent: Monday, August 03, 2015 1:47 PM
To: Cobb, Derrick; Patrick.Bond@WestonSolutions.com
Cc: Criner, Jeffrey J.; Bercher, Corey; Coltrain, Katrina
Subject: RE: Wilcox

Okay. Thanks Derrick.

From: Cobb, Derrick [<mailto:Derrick.Cobb@WestonSolutions.com>]
Sent: Monday, August 03, 2015 1:45 PM
To: Hayes, Mark; Patrick.Bond@WestonSolutions.com
Cc: Criner, Jeffrey J.; Bercher, Corey
Subject: RE: Wilcox

Mark,

We are currently working on loading the data and confirming that we have all of the data. It should be mid-week when we will have data tables ready.

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From: Hayes, Mark [<mailto:hayes.mark@epa.gov>]
Sent: Monday, August 03, 2015 1:34 PM
To: Cobb, Derrick; Bond, Patrick
Cc: Criner, Jeffrey J.
Subject: Wilcox

Derrick,

All sample results should've been submitted from the lab. How soon can you guys have a preliminary report/data tables completed?

Mark Hayes
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